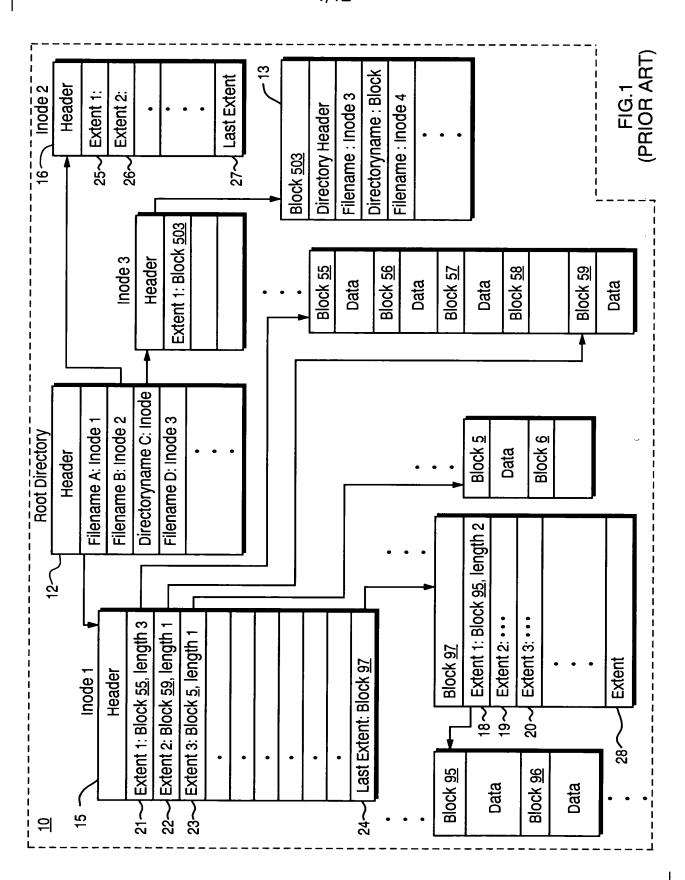
Applicants: Preston F. Crow, et al U.S.S.N.: To be Assigned

Title: Multi-Volume Extent Based File System
Filing Date: To be Assigned / Docket No.: EMC-99-027DIV1
Attorney: Penelope S. Wilson, Esq. (Reg. No. 29,751)
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Applicants: U.S.S.N.: Preston F. Crow, et al

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Multi-Volume Extent Based File System Title: To be Assigned / Docket No.: EMC-99-027DIV1 Filing Date: Attorney: Penelope S. Wilson, Esq. (Reg. No. 29,751)
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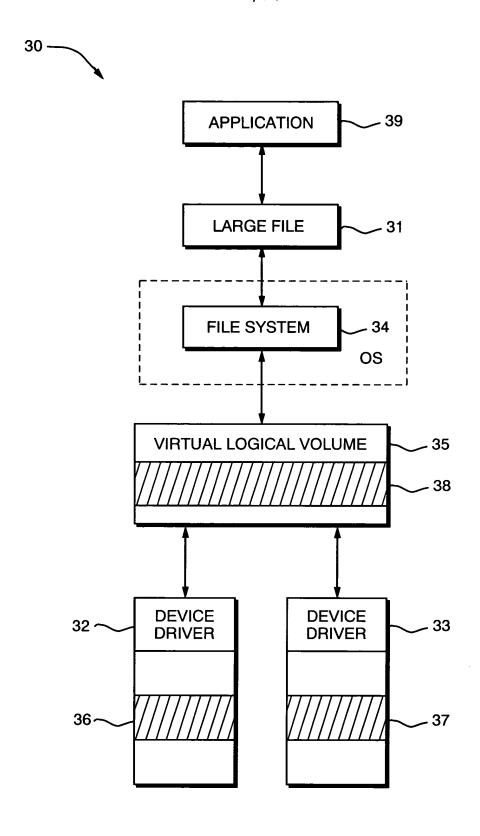
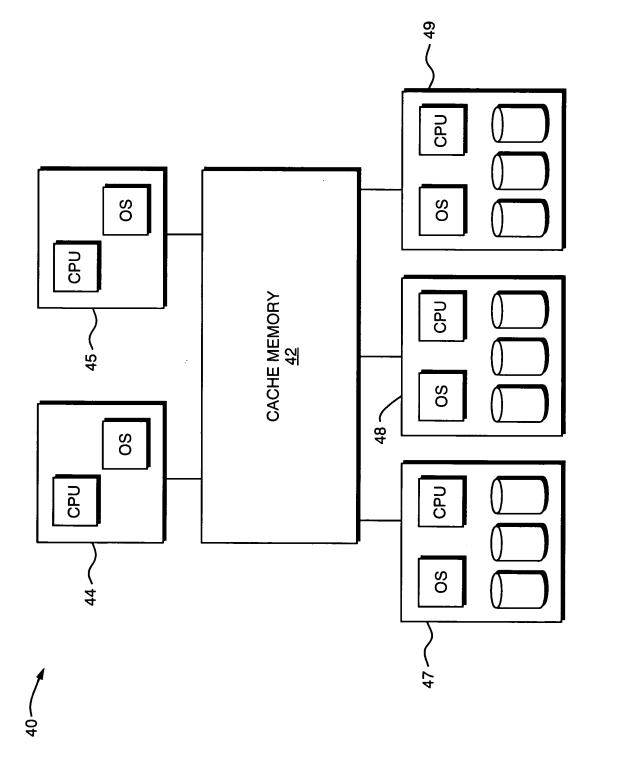


FIG. 2 (PRIOR ART)

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Penelope S. Wilson, Esq. (Reg. No. 29,751)
ing Label No. EK900600389US Applicants: Preston F. Cr U.S.S.N.: To be Assign Title: Multi-Volume Filing Date: To be Assign Attorney: Penelope S. V Express Mail Mailing Label No.



Preston F. Crow, et al To be Assigned Applicants: U.S.S.N.:

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Attorney: Penelope S. Wilson, Esq. (Reg. No. 29,751)
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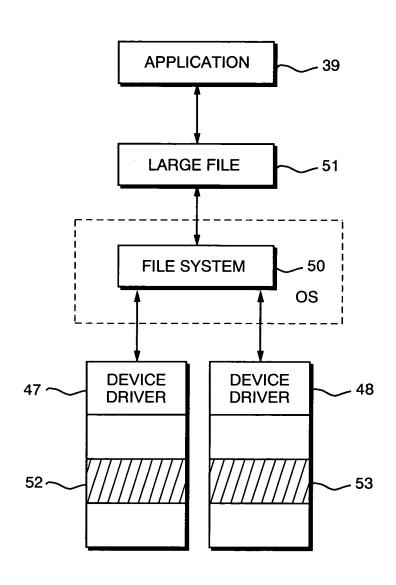
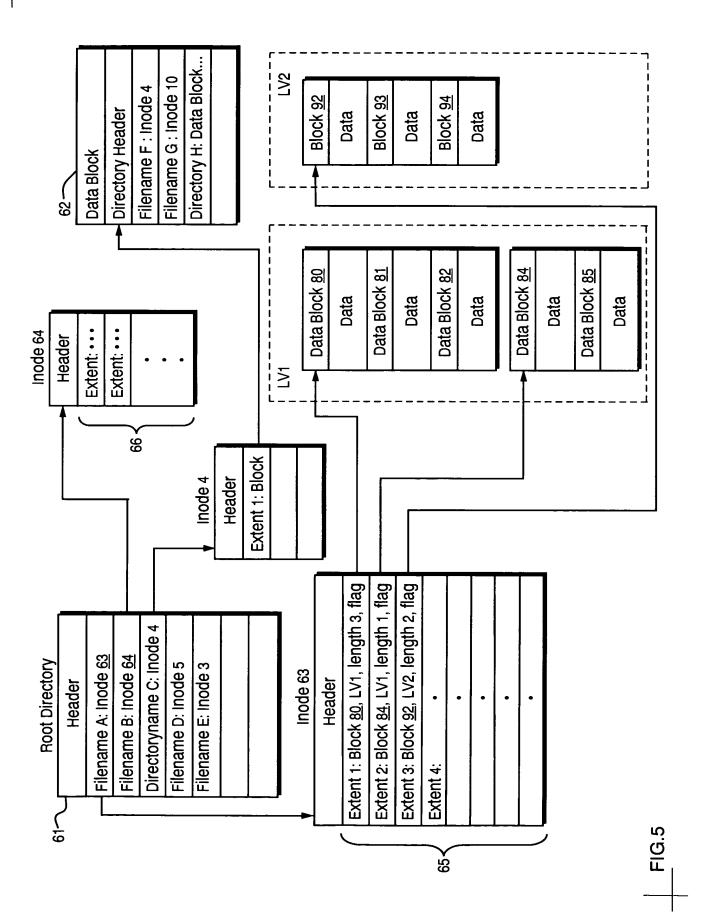


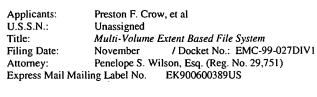
FIG. 4

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Express Mail Mailing Label No.







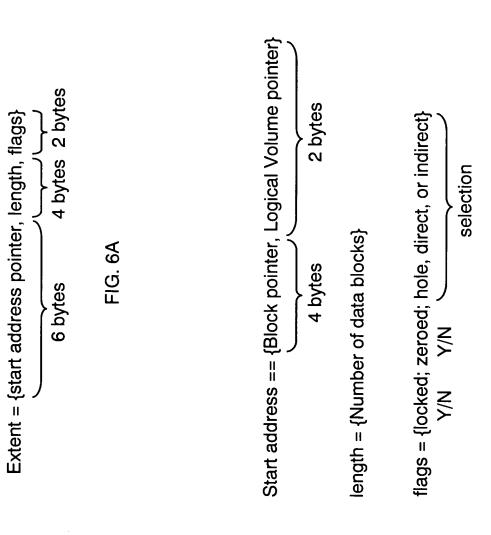
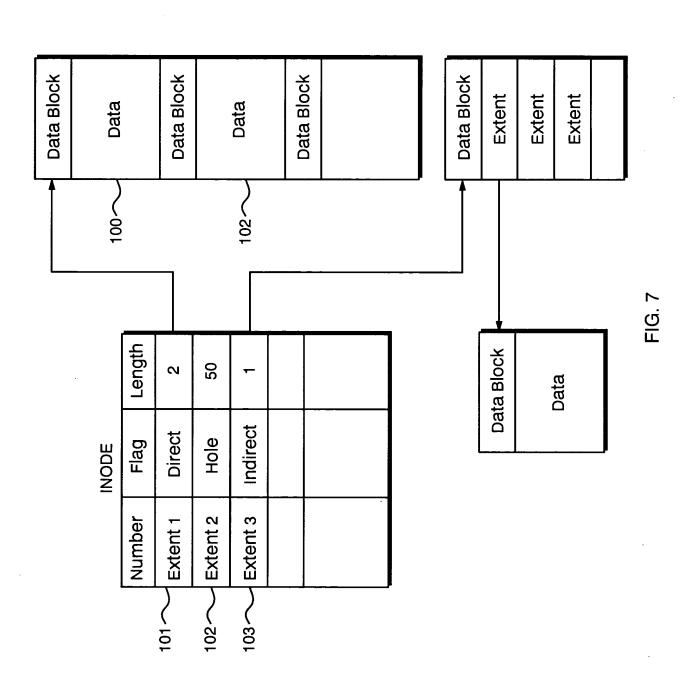


FIG. 6B

Applicants: Preston F. Crow, et al
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Title:

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Attorney: Penelope S. Wilson, Esq. (Reg. No. 29,751)
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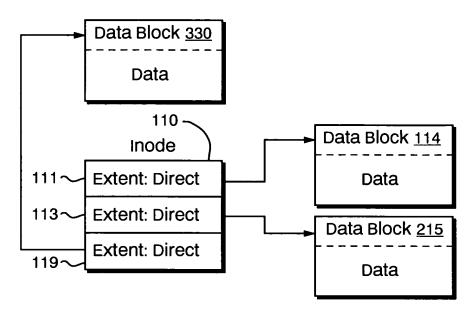


FIG. 8A

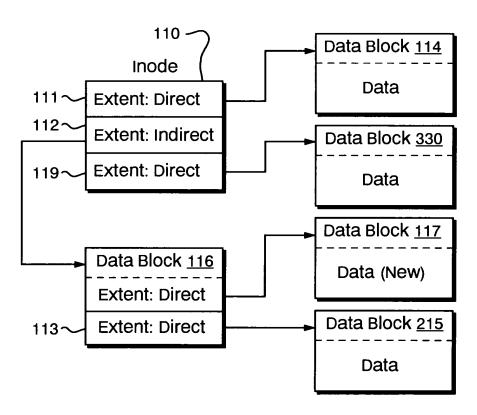


FIG. 8B

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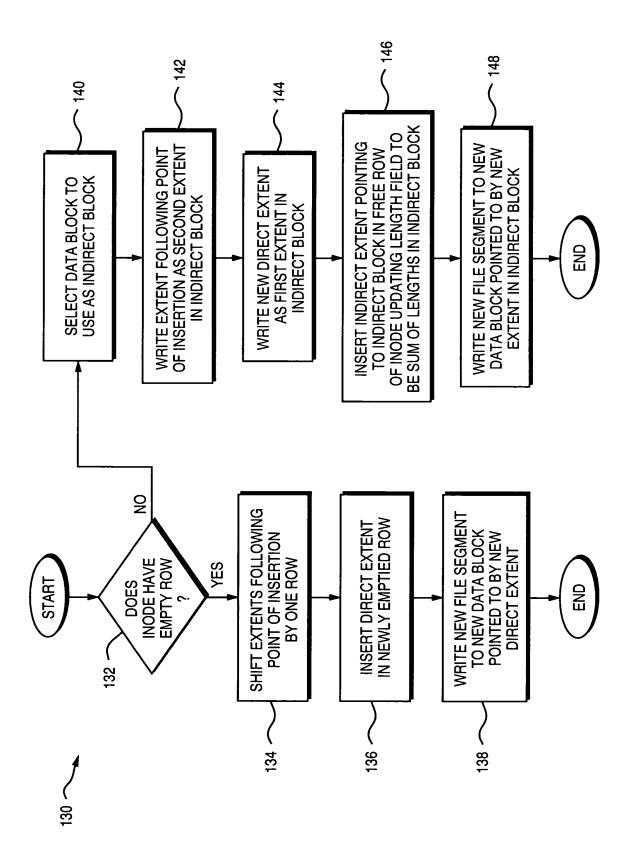


FIG. 8C

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Attorney: Penelope S. Wilson, Esq. (Reg. No. 29,751)
Express Mail Mailing Label No. EK900600389US



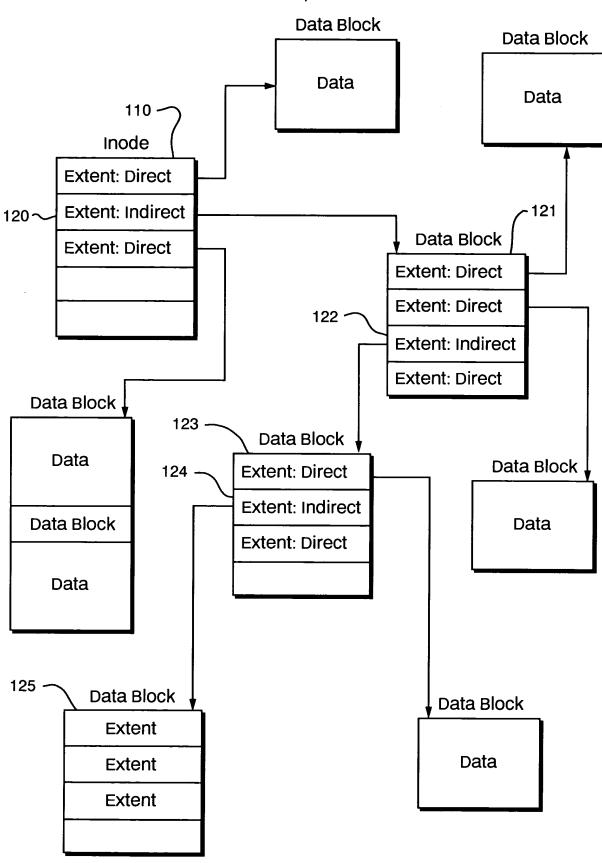


FIG. 9

To be Assigned / Docket No.: EMC-99-027DIV1 Filing Date: Penelope S. Wilson, Esq. (Reg. No. 29,751) Attorney: Express Mail Mailing Label No. EK900600389US 11/12 _150 SELECT INODE FOR FILE - 152 SELECT LOGICAL VOLUME WITH AN ABOVE-AVERAGE SIZE CONTIGUOUS - 154 REGION OF AVAILABLE DATA BLOCKS ALLOCATE SEQUENCE OF BLOCKS IN SELECTED LOGICAL VOLUME TO THE 156 FILE BY WRITING EXTENT POINTING THERETO TO THE INODE 157 161 RECEIVE REQUEST FOR MORE **UPDATE LENGTH FIELD BLOCKS FOR THE FILE** OF PREVIOUS EXTENT 158 · - 160 DO MORE BLOCKS ALLOCATE MORE BLOCKS YES **EXIST IN THE** IN THE CONTIGUOUS REGION **CONTIGUOUS** TO NEW REQUEST REGION NO **SELECT A NEW CONTIGUOUS** - 152 REGION OF ABOVE AVERAGE SIZE IN A LOGICAL VOLUME

Applicants:

U.S.S.N.:

Title:

Preston F. Crow, et al

Multi-Volume Extent Based File System

To be Assigned

FIG. 10

Applicants: U.S.S.N.:

Preston F. Crow, et al

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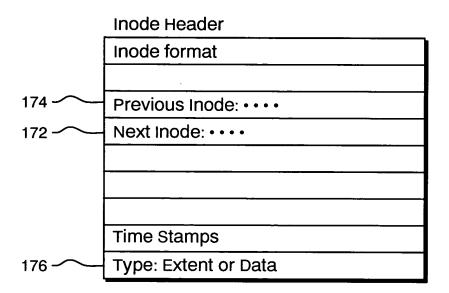


FIG. 11